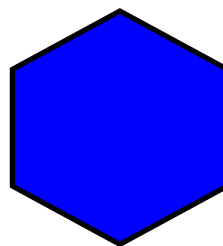
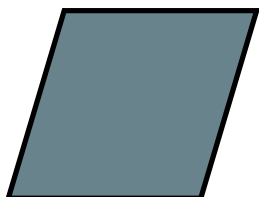
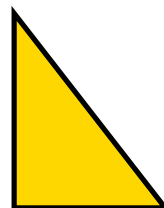
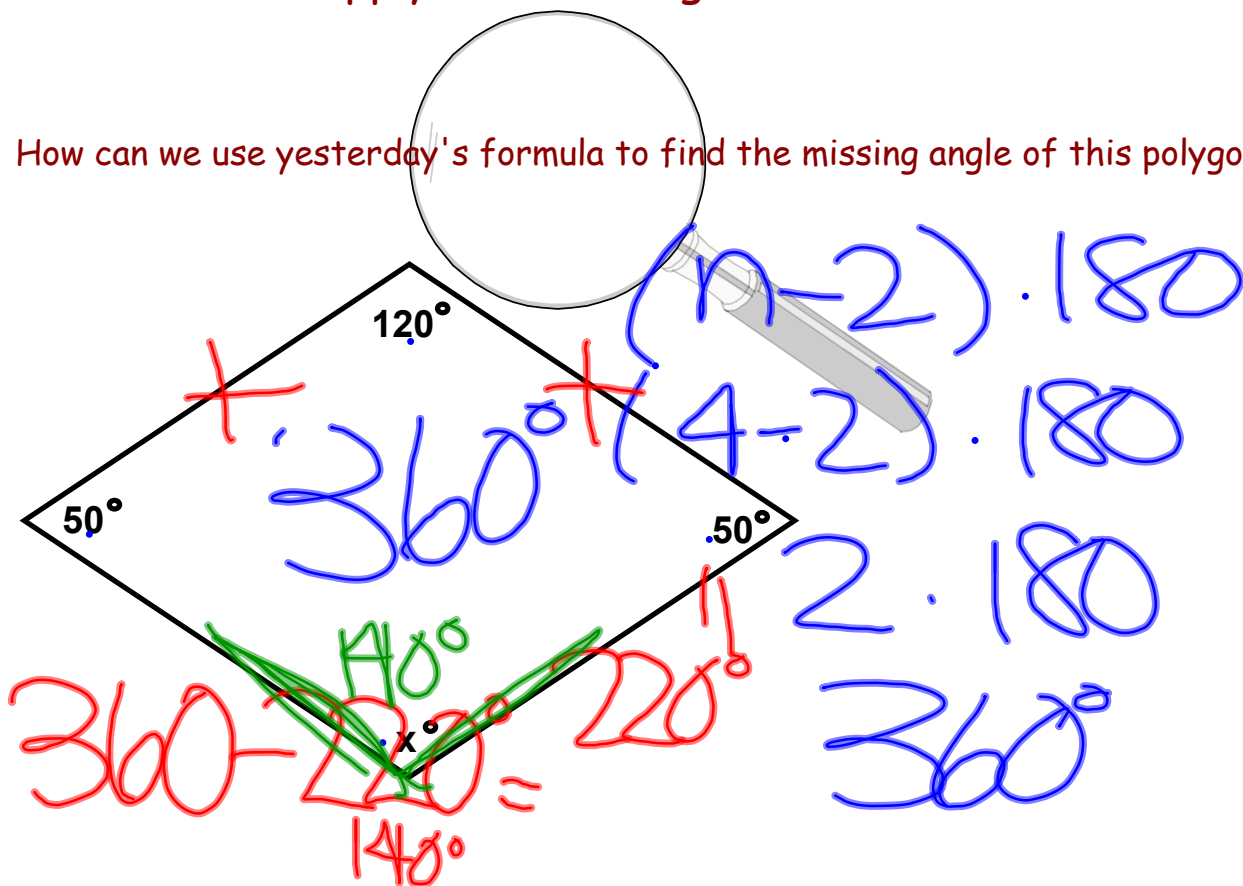


Angles of Polygons
Day Two



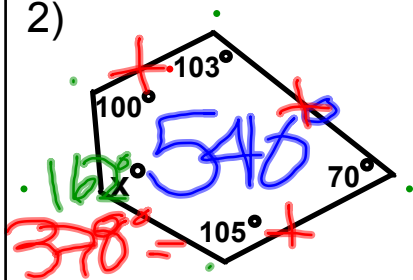
Let's take the formula we discovered yesterday
and apply it to finding the unknown!

How can we use yesterday's formula to find the missing angle of this polygon?

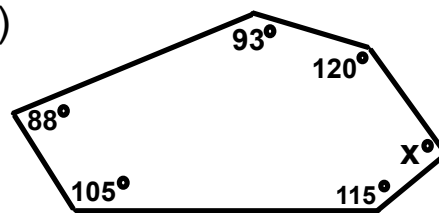


Find the unknown angle measure in each polygon.

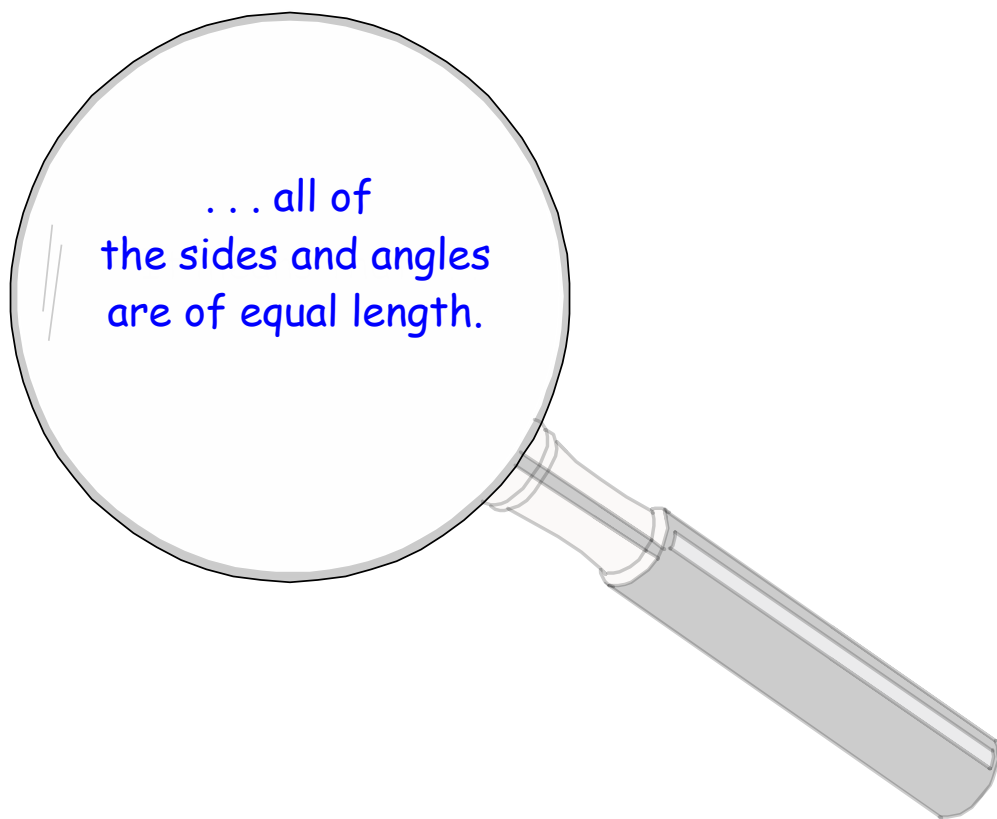
2)



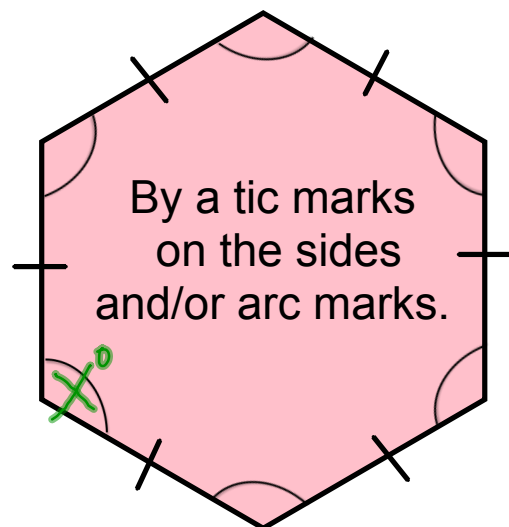
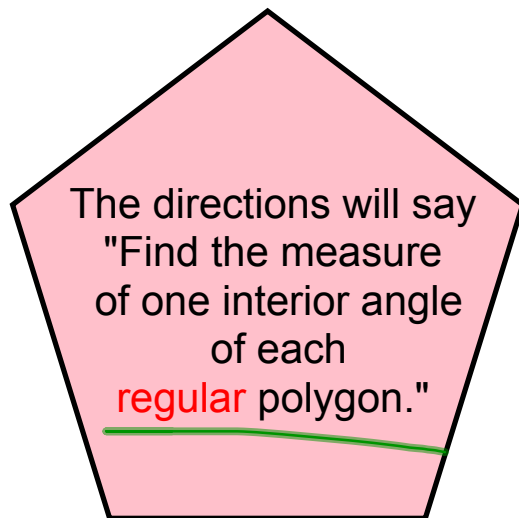
3)



What do you think it means to be a "regular" polygon?



The book will tell me they are regular polygons two different ways.

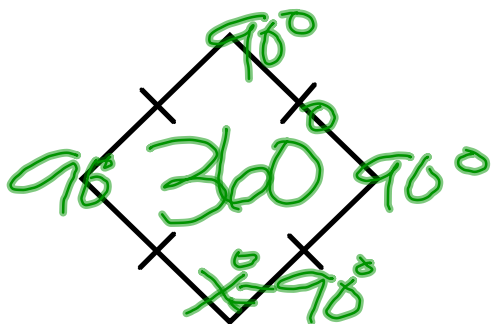


So what???

Examples:

Find the unknown measure in each regular polygon.

3)



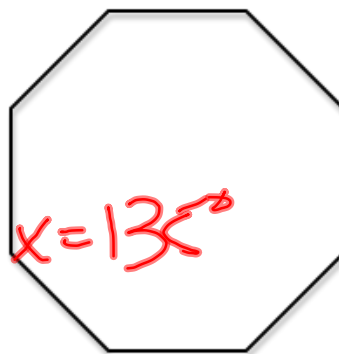
$$(n-2) \cdot 180$$

$$(4-2) \cdot 180$$

$$2 \cdot 180$$

$$\frac{360^\circ}{4} = 90^\circ$$

4)



$$(n-2) \cdot 180$$

$$(8-2) \cdot 180$$

$$6 \cdot 180$$

$$\frac{1080^\circ}{8} = 135^\circ$$

HOMEWORK